

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Steamboat Slough | Right | 6.71 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|------------------------------|----------------------------------|--------------|----|------------------------|-----|
| LM Start | | Rating ** | A | Issue No. | 57 |
| LM End | | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Operations & Maintenance Manuals | | | | |
| DWR ID | DWR_RD0501_01_f_2014_57 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| District has the O&M Manual. | | | | | |

No Photos

| | | | | | |
|---|--------------------------------|--------------|----|------------------------|-----|
| LM Start | | Rating ** | A | Issue No. | 58 |
| LM End | | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Emergency Supplies & Equipment | | | | |
| DWR ID | DWR_RD0501_01_s_2012_58 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| RD 501 has emergency supplies in storage. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

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|------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Steamboat Slough | Right | 6.71 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | | | |
|--|-------------------------------|--------------|----|------------------------|----|-----|---|
| LM Start | | Rating ** | A | Issue No. | 59 | | |
| LM End | | Issue Type + | Ma | Location * | WS | | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | | |
| | | | | Start | | End | |
| Item | Flood Preparedness & Training | | | | ° | | ° |
| | | | | | ° | | ° |
| DWR ID | DWR_RD0501_01_s_2012_59 | | | | | | |
| Comment Code | | | | | | | |
| | | | | | | | |
| Inspector Comment | | | | | | | |
| Crew members have been trained and are prepared for a flood. | | | | | | | |
| | | | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.04 | Rating ** | M | Issue No. | 44 |
| LM End | 2.81 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.254035 ° | 38.215490 ° |
| | | | | -121.601790 ° | -121.607930 ° |
| DWR ID | DWR_RD0501_01_f_2016_44 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the annual grasses and weeds from the levee slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0501_169_44_20170522_00058.jpg



RD 501 Unit 1 looking downstream from levee 0.04 waterside.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.04 | Rating ** | U | Issue No. | 42 |
| LM End | 6.16 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.254035 ° | 38.185987 ° |
| | | | | -121.601790 ° | -121.648192 ° |
| DWR ID | DWR_RD0501_01_f_2016_42 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the annual grasses and weeds from the landside slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0501_169_42_20170522_00059.jpg



RD 501 Unit 1 looking downstream from the landside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Steamboat Slough | Right | 6.71 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.68 | Rating ** | M | Issue No. | 18 |
| LM End | 0.71 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.245010 ° | 38.244523 ° |
| | | | | -121.602955 ° | -121.602940 ° |
| DWR ID | DWR_RD0501_01_s_2012_18 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Trim the trees on the landside levee slope five feet above the ground. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.70 | Rating ** | M | Issue No. | 71 |
| LM End | 1.21 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.244667 ° | 38.237470 ° |
| | | | | -121.602967 ° | -121.604418 ° |
| DWR ID | DWR_RD0501_01_s_2012_71 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are rodents present in this area, district need to place bait stations in this area. | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

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Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Steamboat Slough | Right | 6.71 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.55 | Rating ** | M | Issue No. | 32 |
| LM End | 2.60 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.218470 ° | 38.217875 ° |
| | | | | -121.605105 ° | -121.605532 ° |
| DWR ID | DWR_RD0501_01_s_2012_32 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Continue trimming the tree at this location to at least five feet above the ground. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.67 | Rating ** | M | Issue No. | 34 |
| LM End | 2.73 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.217030 ° | 38.216408 ° |
| | | | | -121.606303 ° | -121.607057 ° |
| DWR ID | DWR_RD0501_01_s_2012_34 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Trim the trees to at least five feet above the ground. | | | | | |

No Photos

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.85 | Rating ** | M | Issue No. | 3 |
| LM End | 2.91 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.214838 ° | 38.214075 ° |
| | | | | -121.608129 ° | -121.608750 ° |
| DWR ID | DWR_RD0501_01_f_2016_3 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2009 - Rock is starting to unravel, probably from a tree pop-out, hard toe. 2015: No observed changes. [2015 Site ID: STM_18-9_R] | | | | | |

Photo 1 of 1 : SP_2017_RD0501_169_3_20170404_00003.jpg



USACE 2013 Photo #1

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

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|------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Steamboat Slough | Right | 6.71 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.04 | Rating ** | M | Issue No. | 2 |
| LM End | 3.11 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.212573 ° | 38.211596 ° |
| | | | | -121.609760 ° | -121.609928 ° |
| DWR ID | DWR_RD0501_01_f_2016_2 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2000 - Slow erosion of lower and mid-slope with rock bench at the low water line. 2015: No observed changes. [2015 Site ID: STM_18-8_R] | | | | | |

Photo 1 of 1 : SP_2017_RD0501_169_2_20170404_00002.jpg



USACE 2013 Photo #1

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.73 | Rating ** | U | Issue No. | 974 |
| LM End | 4.12 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.202997 ° | 38.197778 ° |
| | | | | -121.613450 ° | -121.616080 ° |
| DWR ID | DWR_RD0501_01_s_2012_974 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the wild growth from the waterside slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0501_169_974_20170522_00062.jpg



RD 501 Levee mile 3.73-4.12 wild tree growth and vegetation blocking view of the levee slope.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

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Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Steamboat Slough | Right | 6.71 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.74 | Rating ** | M | Issue No. | 79 |
| LM End | 4.14 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.202818 ° | 38.197492 ° |
| | | | | -121.613545 ° | -121.616342 ° |
| DWR ID | DWR_RD0501_01_s _ 2012_79 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Thin out these trees to allow visibility of the slope. | | | | | |

No Photos

| | | | | | | |
|---|---------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 4.38 | Rating ** | M | Issue No. | 19 | |
| LM End | 4.39 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Vegetation | | | 38.195332 ° | | 38.195310 ° |
| | | | | -121.619749 ° | | -121.619801 ° |
| DWR ID | DWR_RD0501_01_s _ 2012_19 | | | | | |
| Comment Code | | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | | |
| Inspector Comment | | | | | | |
| | | | | | | |

No Photos

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.95 | Rating ** | M | Issue No. | 977 |
| LM End | 4.96 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.195057 ° | 38.195068 ° |
| | | | | -121.629965 ° | -121.630173 ° |
| DWR ID | DWR_RD0501_01_s _ 2012_977 | | | | |
| Comment Code | | | | | |
| EQ : Equipment | | | | | |
| Inspector Comment | | | | | |
| Remove the equipment from the 10 foot easement. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

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Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Steamboat Slough | Right | 6.71 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.27 | Rating ** | M | Issue No. | 65 |
| LM End | 5.44 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.193805 ° | 38.192457 ° |
| | | | | -121.635391 ° | -121.637997 ° |
| DWR ID | DWR_RD0501_01_f_2012_65 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the wild vegetation growth on the waterside levee slope. | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.39 | Rating ** | M | Issue No. | 978 |
| LM End | 5.42 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.192878 ° | 38.192588 ° |
| | | | | -121.637332 ° | -121.637802 ° |
| DWR ID | DWR_RD0501_01_f_2013_978 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| The district has scheduled for these trees to be trimmed. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

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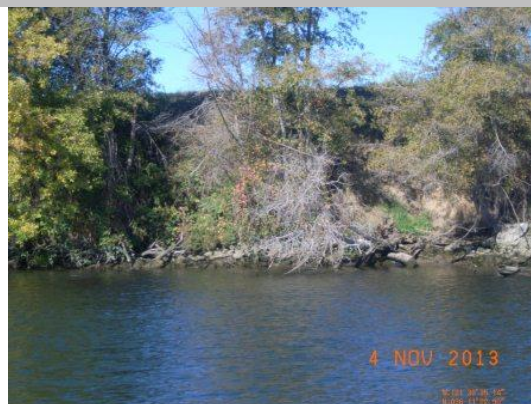
| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 01 Steamboat Slough | Right | 6.71 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.71 | Rating ** | M | Issue No. | 24 |
| LM End | 5.76 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.190590 ° | 38.190246 ° |
| | | | | -121.642468 ° | -121.643164 ° |
| DWR ID | DWR_RD0501_01_s_2012_24 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the wild growth from the waterside levee slope. | | | | | |

No Photos

| | | | | | |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.77 | Rating ** | M | Issue No. | 1 |
| LM End | 5.84 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.190001 ° | 38.189311 ° |
| | | | | -121.643160 ° | -121.643917 ° |
| DWR ID | DWR_RD0501_01_f_2016_1 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2008 - Overstepped levee section with multiple small pockets of erosion 10 - 20 ft wide. 2013 - Site has fresh erosion and taller vertical sections. 2015: No observed changes. [2015 Site ID: STM_15-7_R] | | | | | |

Photo 1 of 1 : SP_2017_RD0501_169_1_20170404_00001.jpg



USACE 2013 Photo #1

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.59 | Rating ** | M | Issue No. | 23 |
| LM End | 6.62 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.184136 ° | 38.184040 ° |
| | | | | -121.655762 ° | -121.656291 ° |
| DWR ID | DWR_RD0501_01_s_2012_23 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| The district has scheduled for these trees to be trimmed. | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
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| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

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| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 3.56 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 21 |
| LM End | 0.10 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.184052 ° | 38.185200 ° |
| | | | | -121.657855 ° | -121.658668 ° |
| DWR ID | DWR_RD0501_02_s_2017_21 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | U | Issue No. | 20 |
| LM End | 1.09 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.184052 ° | 38.198920 ° |
| | | | | -121.657855 ° | -121.655567 ° |
| DWR ID | DWR_RD0501_02_s_2017_20 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the annual grasses and weeds from the landside slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0501_170_20_20170522_00042.jpg



RD 501 Unit 2 levee mile 0.01-1.09 landside levee slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 3.56 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.10 | Rating ** | U | Issue No. | 22 |
| LM End | 3.55 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.185232 ° | 38.227825 ° |
| | | | | -121.658677 ° | -121.673105 ° |
| DWR ID | DWR_RD0501_02_s_2017_22 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the annual grasses and weeds on the slope and shoulder. | | | | | |

Photo 1 of 1 : SP_2017_RD0501_170_22_20170522_00043.jpg



RD 501 Unit 2 levee mile 0.10-3.55 wateside shoulder and slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.04 | Rating ** | M | Issue No. | 10 |
| LM End | 1.04 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.198153 ° | 38.198153 ° |
| | | | | -121.655614 ° | -121.655614 ° |
| DWR ID | DWR_RD0501_02_s_2012_10 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| This erosion needs to be repaired prior to the fall inspection. | | | | | |

No Photos

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 3.56 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.10 | Rating ** | M | Issue No. | 1 |
| LM End | 1.17 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | 2015 USACE Erosion Survey, DRAFT | | | 38.199128 ° | 38.200146 ° |
| | | | | -121.655881 ° | -121.655638 ° |
| DWR ID | DWR_RD0501_02_f_2016_1 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2005 - Large vertical sections due to wave wash. New stone dumped on the bank with exposed geotextile. Cohesive toe has thin weak stratigraphic unit that is washing out. 2006 - Partially repaired, but 100 ft in the middle of the reach has exposed filter fabric and stone riprap is gone. 2010 - Site extended downstream to include new erosion pocket. 2015: No observed changes. [2015 Site ID: CHS 15-9 L] | | | | | |

Photo 1 of 1 : SP_2017_RD0501_170_1_20170404_00001.jpg



USACE 2013 Photo #1

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.12 | Rating ** | M | Issue No. | 23 |
| LM End | 1.88 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.199298 ° | 38.209257 ° |
| | | | | -121.655473 ° | -121.656630 ° |
| DWR ID | DWR_RD0501_02_s_2017_23 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the annual grasses and weeds from the landside slope. | | | | | |

No Photos

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 3.56 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.25 | Rating ** | M | Issue No. | 30 |
| LM End | 1.25 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.201143 ° | 38.201143 ° |
| | | | | -121.655169 ° | -121.655169 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:44753 DS_ID:21085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole rusted through pipe on WS end. Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 20-inch steel pipe through the levee, 15.5 feet below the crown. Pipe exposed along waterward slope, Steel plate welded over end (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.40). FS Date: 4/23/2015 | | | | | |

| | | | | | |
|----------|------|--------------|----|------------|-----------|
| LM Start | 1.25 | Rating ** | M | Issue No. | 30 (cont) |
| LM End | 1.25 | Issue Type + | Ma | Location * | LS |

Photo 1 of 3 : UCIP_SP_2017_44753_73955.jpg



20-inch pipe with welded steel plate over end on WS toe.

Photo 2 of 3 : UCIP_SP_2017_44753_73954.jpg



Hole in pipe at WS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 3.56 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.25 | Rating ** | M | Issue No. | 30 (cont) |
| LM End | 1.25 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.201143 ° | 38.201143 ° |
| | | | | -121.655169 ° | -121.655169 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:44753 DS_ID:21085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole rusted through pipe on WS end. Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 20-inch steel pipe through the levee, 15.5 feet below the crown. Pipe exposed along waterward slope, Steel plate welded over end (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.40). FS Date: 4/23/2015 | | | | | |

Photo 3 of 3 : UCIP_SP_2017_44753_73953.jpg



Inside hole in pipe at WS toe.

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.80 | Rating ** | M | Issue No. | 32 |
| LM End | 1.80 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.208874 ° | 38.208874 ° |
| | | | | -121.655505 ° | -121.655505 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:40489 DS_ID:21042 EP_NO: 15477 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Stacey Boyd, LMA superintendent for RD0501, confirmed the removal and replacement of existing crossing under new permit no. 18811. New crossing will be a 30-inch diameter discharge pipe above the design flood plane. Construction will start soon. Update record once the project is completed. Dense vegetation on both waterside and landside. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 42-inch steel pipe through the levee, 6.5 feet below the crown. Siphon breaker on waterward slope. Pump on the landward side (Permit No. 15477, 1990). Pipe exposed along both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.0). FS Date: 6/7/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_40489_33358.jpg



Overview of crown, looking downstream.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 3.56 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.80 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 1.80 | Issue Type + | Ma | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 38.208874 ° | 38.208874 ° |
| | | | | -121.655505 ° | -121.655505 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:40489
DS_ID:21042
EP_NO: 15477
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Stacey Boyd, LMA superintendent for RD0501, confirmed the removal and replacement of existing crossing under new permit no. 18811. New crossing will be a 30-inch diameter discharge pipe above the design flood plane. Construction will start soon. Update record once the project is completed. Dense vegetation on both waterside and landside. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.
FIELD_STRUCT_DESC: 42-inch steel pipe through the levee, 6.5 feet below the crown. Siphon breaker on waterward slope. Pump on the landward side (Permit No. 15477, 1990). Pipe exposed along both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.0).
FS Date: 6/7/2013

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.80 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 1.80 | Issue Type + | Ma | Location * | LS |

Photo 2 of 3 : UCIP_SP_2017_40489_33359.jpg



One 42-inch steel pile with siphon break on waterside slope.

Photo 3 of 3 : UCIP_SP_2017_40489_33357.jpg



Siphon breaker on apex of steel pipe waterside.

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 02 Cache Slough | Left | 3.56 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.88 | Rating ** | U | Issue No. | 24 |
| LM End | 3.55 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.209257 ° | 38.227825 ° |
| | | | | -121.656630 ° | -121.673105 ° |
| DWR ID | DWR_RD0501_02_s_2017_24 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the annual grasses and weeds on the landside slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0501_170_24_20170522_00041.jpg



RD 501 Unit 2 levee mile 1.88-3.55 landside slope.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.90 | Rating ** | M | Issue No. | 4 |
| LM End | 2.91 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.218890 ° | 38.218997 ° |
| | | | | -121.669934 ° | -121.669988 ° |
| DWR ID | DWR_RD0501_02_s_2012_4 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Exterminate the rodents and backfill and compact the burrows. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.41 | Rating ** | M | Issue No. | 16 |
| LM End | 3.42 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.225823 ° | 38.225987 ° |
| | | | | -121.672837 ° | -121.672870 ° |
| DWR ID | DWR_RD0501_02_s_2012_16 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Trim up the tree on the landside slope. | | | | | |

No Photos

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|--------------------|
| Unit No. 02 Cache Slough | Left | 3.56 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Miner Slough | Left | 7.71 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 28 |
| LM End | 6.55 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.228053 ° | 38.290017 ° |
| | | | | -121.673038 ° | -121.624857 ° |
| DWR ID | DWR_RD0501_03_s_2017_28 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control annual grasses and weeds on the levee slope and toe. | | | | | |

Photo 1 of 1 : SP_2017_RD0501_171_28_20170522_00070.jpg



RD 501 Unit 3 landside shoulder and slope downstream from levee mile 0.00.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.51 | Rating ** | U | Issue No. | 29 |
| LM End | 7.71 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.233439 ° | 38.285455 ° |
| | | | | -121.666765 ° | -121.606027 ° |
| DWR ID | DWR_RD0501_03_s_2017_29 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Looking downstream from the waterside slope levee mile 0.51 to 7.71 the weeds and annual grasses should be controlled from the waterside slope and toe. | | | | | |

Photo 1 of 1 : SP_2017_RD0501_171_29_20170522_00069.jpg



RD 501 Unit 3 From levee mile 0.00-7.71 waterside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Miner Slough | Left | 7.71 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.61 | Rating ** | M | Issue No. | 3 |
| LM End | 2.70 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.257445 ° | 38.258759 ° |
| | | | | -121.651437 ° | -121.651449 ° |
| DWR ID | DWR_RD0501_03_s_2012_3 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Trim the trees to five feet above the ground. | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.79 | Rating ** | M | Issue No. | 130 |
| LM End | 3.12 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.260118 ° | 38.262839 ° |
| | | | | -121.651351 ° | -121.647722 ° |
| DWR ID | DWR_RD0501_03_s_2014_130 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Trim up the trees on the landside slope. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.55 | Rating ** | M | Issue No. | 15 |
| LM End | 3.57 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.266666 ° | 38.266857 ° |
| | | | | -121.641475 ° | -121.641280 ° |
| DWR ID | DWR_RD0501_03_s_2012_15 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Trim up tree on landside slope. | | | | | |

No Photos

| | | | | | |
|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|-----------------|
| Unit No. 03 Miner Slough | Left | 7.71 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.62 | Rating ** | M | Issue No. | 22 |
| LM End | 3.63 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.267485 ° | 38.267578 ° |
| | | | | -121.640667 ° | -121.640507 ° |
| DWR ID | DWR_RD0501_03_s_2012_22 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Thin trees to allow the visibility of the ground. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.58 | Rating ** | M | Issue No. | 30 |
| LM End | 6.95 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.290107 ° | 38.289822 ° |
| | | | | -121.624355 ° | -121.617728 ° |
| DWR ID | DWR_RD0501_03_s_2017_30 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control annual grasses and weeds from the landside slope. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------|------|------------|--------------------------|--------------------|
| Unit No. 03 Miner Slough | Left | 7.71 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.67 | Rating ** | M | Issue No. | 39 |
| LM End | 7.69 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 38.290473 ° | 38.285550 ° |
| | | | | -121.622768 ° | -121.606283 ° |
| DWR ID | DWR_RD0501_03_f_2016_39 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| RD needs to place bait stations along this stretch. | | | | | |

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 04 Sutter Slough | Right | 2.28 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.04 | Rating ** | U | Issue No. | 11 |
| LM End | 1.11 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.284987 ° | 38.270940 ° |
| | | | | -121.605500 ° | -121.604490 ° |
| DWR ID | DWR_RD0501_04_s_2017_11 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the annual grasses and weeds on the levee shoulder and slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0501_172_11_20170522_00029.jpg



RD 501 Unit 4 levee mile 0.04 landside slope and shoulder.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.04 | Rating ** | U | Issue No. | 12 |
| LM End | 2.28 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.284987 ° | 38.254465 ° |
| | | | | -121.605500 ° | -121.601450 ° |
| DWR ID | DWR_RD0501_04_s_2017_12 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the annual grasses and weeds from the shoulder and slope water ward. | | | | | |

Photo 1 of 1 : SP_2017_RD0501_172_12_20170522_00030.jpg



RD 501 Unit 4 levee mile 0.04 to levee mile 2.28 waterside shoulder and slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0501 Ryer Island

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------|-------|------------|--------------------------|-----------------|
| Unit No. 04 Sutter Slough | Right | 2.28 | 04/27/2017 04/27/2017 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.21 | Rating ** | U | Issue No. | 14 |
| LM End | 2.17 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.269502 ° | 38.255987 ° |
| | | | | -121.604328 ° | -121.600993 ° |
| DWR ID | DWR_RD0501_04_s_2017_14 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the annual grasses and weeds from levee mile 1.21 to levee mile 2.17. | | | | | |

Photo 1 of 1 : SP_2017_RD0501_172_14_20170522_00031.jpg



RD 501 Unit 4 levee mile 1.21 to 2.17 landside shoulder and slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.15 | Rating ** | M | Issue No. | 13 |
| LM End | 2.17 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 38.256275 ° | 38.255990 ° |
| | | | | -121.600933 ° | -121.601015 ° |
| DWR ID | DWR_RD0501_04_s_2012_13 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Thin out the trees along levee mile 2.15-22.17 and trim them up at least 5-foot above the ground. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|